

PSM Industries Pacific Sintered Metals Iron F-241-S2 Powdered Metal

Category : Metal , Electronic/Magnetic Alloy , Ferrous Metal

Material Notes:

DC magnetic applications such as pole pieces, cores, armatures, generator rotors and stator cores Equivalent ASTM Spec: B310-70, Type IV, Class A Information Provided by Pacific Sintered Metals, a division of PSM Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_PSM-Industries-Pacific-Sintered-Metals-Iron-F-241-S2-Powdered-Metal.php

Physical Properties	Metric	English	Comments
Density	7.00 - 7.20 g/cc	0.253 - 0.260 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	234 MPa	34000 psi	
Elongation at Break	11 %	11 %	1 in. gauge

Electrical Properties	Metric	English	Comments
Magnetic Permeability	<= 5.3	<= 5.3	K-Gauss/Oe
Magnetic Coercive Force, Hc	1.7 Oe	1.7 Oe	
Magnetic Saturation Flux Density, Bmax	12.6 Gauss	12.6 Gauss	
Magnetic Remanence, Br	10.2 Gauss	10.2 Gauss	

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